

WE CLAIM:

1. A method for producing an electrical or electronic component which comprises a surface that is passivated with a plastic coating, the method comprising the following steps:

5 providing a plastic body for accommodating and encapsulating the surface of the component,

inserting the component into the plastic body,

10 joining the surface of the component to the plastic body by applying pressure to the plastic body.

15 2. The method of claim 1 wherein the body is molded.

3. The method of claim 1 wherein the body is tubular in configuration.

4. The method of claim 1 wherein the body comprises an inside surface that is inverse in form to the surface of the component to be passivated.

5. The method of claim 1 wherein the body comprises at least two individual parts which are connected to the surface of the component.

20 6. The method of claim 1 wherein the body comprises at least partially cross-linked plastic.

25 7. The method of claim 1 wherein the body comprises at least one stabilizing element.

8. The method of claim 1 wherein the body comprises a substance for mediating adhesion.

9. The method of claim 1 wherein the surface of the component comprises a substance for mediating adhesion.

10. The method of claim 1 wherein the body comprises at least one plastic that is selected from the group consisting of solid silicones and fluorinated silicone elastomers.

11. The method of claim 1 wherein the step of joining the surface of the component to the body further comprises applying pressure from outside the body towards the component by with a device for generating pressure.

12. The method of claim 6 wherein the pressure is generated by the cross-linking of the plastic of the body.

13. The method of claim 12 wherein the plastic is cross-linked thermally.

14. The method of claim 12 wherein the plastic is cross-linked by exposure.

15. An electrical component comprising:
a surface passivated with a plastic material of a plastic body, the plastic comprising at least one substance selected from the group consisting of solid silicones and fluorinated silicone elastomers.

16. The component of claim 15 wherein the body comprises an inner surface in contact with the surface of the component, the inner surface of the body and the surface of the component being in continuous contact with one another.

5 17. The component of claim 15 wherein the body comprises at least one stabilizing element.

18. The component of claim 15 wherein the body comprises a substance for mediating adhesion.

10 19. The component of claim 15 wherein the component is a piezoelectric element.

15 20. The component of claim 19 wherein the piezoelectric element is a piezoactuator.

21. The component of claim 15 wherein the component is a fuel cell.

20 22. A method for controlling an injection valve of an internal-combustion engine comprising the use of the piezoactuator of claim 20.